

11-14-82 to

11-14-82 To 1-26-83

Then to 6-4-83 co



MEMO BOOK
60 Sheets Ruled
6 in. x 4 in.

152 mm x 102 mm

No. 14014

TOP SCHOLAR

COLUMBIA, MD. 21046

MADE IN U. S. A.

Δ from rocker
was flying
* first (see below)

Final book by
James W Eke
6207 Newman Rd
Fairfax, Va 22030

* for Jim it would be 1st of
season
for CE it was seen
but not ^{new} first of season

11-14-82 Sun. 24° - 45°
Sue & Rachel leave this
morning @ 9:40 AM.

Cloudless & calm early;
then heavy overcast & S
wind, 5-15 mph.

5-12 Juncos	30-40 Doves
20+ White-throats	12-15 Crows
20+ House Finches	10-15 Jays
15-20 C. Waxwings	50-100 Grackles
5-6 Bluebirds	2000+ Starlings
2 C. Geese (local)	6-8 House Spar.
12 Towhees	1 C. Wren
1 G. W. Tanager	5-6 Goldfinches
2-3 P. Finches	1 Chickadee
3-4 Yellow-r. Ws.	4-5 Titmice
100+ Robins	2 Nuthatches (1 Ad & 1 juv)

10-15 Cardinals 1 Fish Crow
 3-4 Mockers 1 Meadowlark
 2-3 Flickers
 2 Red-bellies
 2 Downys
 ✓ ✓ Bluebirds very busy at
 both boxes.

* Sue and Rachel called
 from Marion at 3:55 PM
 - almost to their first
 stop at Emory & Henry.

11-15-82 Mon. 40° -
 overcast; wind N, 10-20 mph
 clearing by 8:30 AM. -

Juncos	Doves
White-throats	Crows
C. Waxwings	Jays
Towhees	Grackles
Bluebirds	Starlings
House Finches	House Sps.
Robins	Goldfinches
Cardinals	Chickadees
Mockers	Titmice
Flickers	Nuthatches
Red-bellies	C. Wren
Downys	

11-16-82 Tues. 19° -
 Few wispy clouds in S.E.;
 wind S, 5-20 mph;

10-15 Juncos ³⁰⁻⁴⁰ Doves
 15-20 White-throats ¹⁰⁰⁺ Crows ^{5-10 Low 100 PN}
 8-10 C. Waxwings 6-8 Jays
 2-4 Bluebirds Grackles
 20+ House Finches Starlings
 50+ Robins 5-6 House Sps.
 10-15 Cardinals 4 Goldfinches
 3-4 Mockers 2 Chickadees
 1 Pil. Woodpecker 4 Titmice
 2-3 Flickers 2 Nuthatches
 2 Red-bellies ¹ Red-shoulder
 2 Downys ¹ TV
 1 C. Wren
 1 Fish Crow

11-17-82 Wed. 25°-

Overcast; occ. very light breeze

10-15 Juncos ³⁰⁻⁴⁰ Doves
 20+ White-throats 15-20 Crows
 20-30 House Finches 6-8 Jays
 10 C. Waxwings Grackles
 3-4 Bluebirds Starlings
 10-15 Purple Finches 5-6 House Sps.
 20-30 Robins 4 Goldfinches
 10-15 Cardinals (15) 2 Chickadees
 4 Mockers 4 Titmice
 1 Pil. Woodpecker 2 Nuthatches
 2-4 Flickers ¹ Red-shoulder
 2 Red-bellies
 2 Downys

11-18-82 Thurs. 36°-

8-10 Juncos 50+ Doves
 20+ White-throats 20-30 Crows
 20+ House Finches 5-10 Jays
 15-20 C. Waxwings 20+ Grackles
 5-8 Bluebirds 100+ Starlings
 20+ Robins 5-6 House Sps.
 10-15 Cardinals 4 Goldfinches
 4 Mockers 2 Chickadees
 1 Pil. Woodpecker 4 Titmice
 3-4 Flickers 2 Nuthatches
 2 Red-bellies 2 Fish Crows
 2 Downys 1 G.B. Sapsucker

11-19-82 Fri. 44° -

Overcast; wind NE, 5-10 mph.
 brief, light drizzle 10:30 A.M., then
 again 2:15 P.M.

Juncos Doves
 White-throats Crows
 C. Waxwings Jays
 House Finches 100+ Grackles
 Bluebirds 500+ Starlings
 Purple Finches House Sps.
 Robins Goldfinches
 Cardinals Chickadees
 Mockers Titmice
 Pil. Woodpecker Nuthatches
 Flickers (*) Sharp-shin {2:00 P.M.} ^{seen}
 Red-bellies Towhees
 Downys

11-20-82 Sat. 49° -

Overcast; wind light + variable,
 mostly NE.
 Light drizzle about 8:30 P.M.

Juncos	Doves
White-throats (s)	Crows
Purple Finches	Jays
House Finches	Grackles
C. Waxwings	Starlings
Bluebirds	House Sps.
↓ 2-3 Yellow-r. Ws.	Goldfinches
Robins	Chickadees
Cardinals	Titmice
Mockers	Nuthatches
Pil. Woodpecker	1 TV
Flickers	↓ 1 y.b. Sapsucker ^{Imm}
Red-bellied	↓ 1 Fish Crow
Downys	

11-21-82 Sat. 52° -

Dense fog; calm early;
fog lifting by 9:30 A.M.

Juncos	Doves
White-throats	Crows
Purple Finches	Jays
House Finches	8 Red-wings
C. Waxwings	Grackles
Bluebirds	Starlings
Yellow-r. Ws.	House Sps.
Towhees	Goldfinches
Robins	Chickadees
Cardinals	Titmice
Mockers	Nuthatches
Pil. Woodpecker	1 Fish Crow
Flickers	
Red-bellied	
Downys	

11-22-82 Mon. 53° -

Light fog; calm early; overcast
much of day; occ sun;
light drizzle beg. 4:20 P.M.

8-10 Juncos 30-40 Doves
 15-20 White-Throats 10-12 Crows
 20+ House Finches 8-10 Jays
 5-6 Purple Finches 30+ Grackles
 15+ C. Waxwings 2 Fish Crows
 40+ Robins 200+ Starlings
 10-15 Cardinals 8-12 Red-wings
 3-4 Mockers 5-6 House Sps.
 1-2 Pil. Woodpeckers 3-4 Goldfinches
 2-3 Flickers 2 Chickadees
 2 Red-bellies 4 Titmice
 2 Downys 2 Nuthatches
 3-5 Bluebirds 1 C. Wren⁽³⁾
 1 Towhee 2 Yellow-r. Ws.

11-23-82 Tues. 49° -

Light fog; few high, hazy clouds in SE;

Juncos Doves
 White-throats Crows
 House Finches Jays
 Purple Finches Grackles
 C. Waxwings Red-wings
 Bluebirds Starlings
 Yellow-r. Ws. House Sps.
 Robins Goldfinches
 Cardinals Chickadees
 Mockers Titmice
 Pil. Woodpecker Nuthatches⁽³⁾
 Flickers 2 C. Wrens⁽²⁸⁾
 Red-bellies TV
 Downys H? Herring Gulls
 Gulls calling in distance

11-24-82 Wed. 59° -
 Light shower began
 4:30 A.M.; wind NE 10-25
 mph.

Juncos	Doves
White-throats (5)	Crows
Towhee	Jays
House Finches	Grackles
C. Waxwings	Red-wing
Robins	Starlings
Cardinals	House Sps.
✓ 6-8 Mockers ✓	Goldfinches
Pil. Woodpecker	Chickadees
Flicker	Titmice
Red-bellies	Nuthatches
Downys	

✓ all day - 3-4 at a time in
 spirited battles around

Am. Holly tree

11-25-82 Thurs. 30° -
 Thanksgiving Day!
 Cloudless & calm early;

8-10 Juncos	30-40 Doves
20+ White-throats	10-12 Crows
30+ House Finches	6-8 Jays
15+ C. Waxwings	4-5 Grackles
3-4 Bluebirds	30+ Starlings
20+ Robins	5-6 House Sps.
12-15 Cardinals	4 Goldfinches
4-6 Mockers	2 Chickadees
1 Pil. Woodpecker	4 Nuthatches
2-3 Flickers	1 Red-shoulder
2 Red-bellies	1 TV
2 Downys	5 Titmice
	1 Sharp-shin
15 Rock Doves	(in yard - 4:20)

11-26-82 Fri., 37°

Cloudless early; very
light, variable breeze;

Juncos Δ	Doves Δ
White-throats Δ	Crows
House Finches Δ	5 Fish Crow
C. Waxwings	Jays Δ
Bluebirds	Grackles
Robins	Red-wings
Cardinals Δ	Starlings
Mockers Δ	House Sp. Δ
P.P. Woodpecker	Goldfinches
Chickadees	Chickadees Δ
Red-bellies Δ	Titmice Δ
Downys Δ	Nuthatches
Joncree	Δ

11-27-82 Sat., 43° -

Cloudy; wind N, 5-10 mph.
- mostly sunny in aft.

5-6 Juncos	30-40 Doves
20+ White-throats	8-12 Crows
30+ House Finches	11-12 Jays (11 Δ)
5-10 C. Waxwings	2-3 Grackles
5-6 Bluebirds	8 Red-wings
10-15 Robins	20 Starlings
15+ Cardinals	5-6 House Sps.
4-5 Mockers	8 Goldfinches
1 Pil. Woodpecker	2 Chickadees
2-3 Flickers	5-6 Titmice
2 Red-bellies	2 Nuthatches
2-3 Downys	3 TVs (4 on 7:20 AM)

(*) 1 Red-shoulder

✓ Waxwings going to roost
in Chinese Holly by
garage door - first time.

11-28-82 Sun. 32° -
Light drizzle began early
A.M. - continuing -

Juncos	Doves
White-throats	Crows
House Finches	Jays
C. Waxwings	House Sp.
Robins	? Song Sp.
Cardinals	Goldfinches
Mockers	Chickadees
Titmice	Titmice
Red-bellies	Nuthatches

Downys ⊕ Red-shoulder
1 Bluebird

11-29-82 Mon. 43° -

Rain ended some time after
midnight - Total = 2.1" rain
overcast early, then cloudless
by 10:00 A.M. wind SW, 5-15
mph. - then shifting to NE,
with clouds, in aft.

5-6 Juncos	30-40 Doves
20-40 White-throats	8-10 Crows
8-12 C. Waxwings	✓ 1 Fish Crow
20-30 House Finches	6-10 Jays
3-4 Bluebirds	Δ 30-40 Starlings
1 Robin	5-6 House Sp.
15+ Cardinals	4-5 Goldfinches
3-5 Mockers	✓ 5 Chickadees
1-4 Flickers	3 Titmice
2 Red-bellies	2 Nuthatches

2 Downys * Red-shoulder
 45 Purple Finches 1 Sharp-shin 7:00
 150+ C. Geese SW-SE at feedlot M
 Low, 4:30 PM 33 Grackles
 20 Red-Wings

11-30-82 Tues. 45° -
 virtually cloudless; occ. light,
 variable winds; partly
 cloudy in aft.;

Juncos	Doves
White-throats	Crows
C. Waxwings	Jays
Purple Finches	Grackles
House Finches	Starlings
Chickadees	House Sps
1-2 Robin	C. Wren (2)

Cardinals
 Mockers
 Pil. Woodpecker
 Flickers
 Red-bellies
 Downys

Goldfinches
 Chickadees
 Titmice
 Nuthatches
 Red-shoulder
 Towhees

{ after 5 weeks, Heidi's cast
 came off this afternoon
 (right arm) - she is happy!

12-1-82 Wed. 50° -
 Full Blue Moon!
 Rain began 6:00 A.M. - ended
 about 1:30 P.M. Total = 0.7"

3-4 Juncos	30-40 Doves
20+ White-throats	8-10 Crows
2-4 Purple Finches	6-8 Jays
20-30 House Finches	30+ Starlings
30+ C. Waxwings	5-6 House Sps.
2-3 Bluebirds	1 C. Wren (5)
* 1 Pine Siskin	4 Goldfinches
15+ Cardinals	2-3 Chickadees
3-4 Mockers	4-5 Titmice
2 Pil. Woodpeckers	2 Nuthatches
3-4 Flickers	
2 Red-bellies	
1 Downy	

12-2-82 Thurs - 52°
 Dense fog; calm; fog
 clearing by 9:00 A.M. - heavy
 overcast all day.

Juncos	Doves
White-throats (5)	Crows
Purple Finches	Jays
House Finches	Starlings
C. Waxwings	House Sps.
Bluebirds	C. Wren (5)
Pine Siskin	Goldfinches
Cardinals (5)	Chickadees
Mockers	Titmice
Pil. Woodpecker	Nuthatches
Flicker	Bob-white (3)
Red-bellied	Meadowlark
Downy	2 Kingfisher
Robin	

12-3-82 Fri. 55° -
 Fog; mist early; then
 sunny.

Temp. ^{bright} had 109 yr record for this
 date - here

Claire reports 30-40 Crows
in Cobb's field at Buddock &
Colch.

Juncos	Doves
White-throats (5)	Crows
Purple Finches	Jays
House "	Starlings
C. Waxwings	House Sps.
Bluebirds	Goldfinches
1-2 Robins	Chickadees
Cardinals (5)	Titmice
Mockers	Nuthatches
Red. Woodpecker	Kingfishers
Flickers	Red-shoulder
Red-bellies	
Downys	

12-4-82 Sat. 60° -

Overcast; clearing by 10:00
A.M.; wind 5, 2-10 mph.

Temp. record broken again
today -

Juncos	Doves
White-throats	Crows
House Finches	Jays
Purple Finches	Starlings
C. Waxwings	House Sps.
✓ Golden-cr. Kinglet	C. Wren (5)
Robins	Goldfinches
Cardinals	Chickadees
Mockers	Titmice
Red. Woodpecker	Nuthatches
Flickers	C. Geese (local)
Red-bellies 7	Kingfishers
Downys	Red-shoulder
Bluebirds	6-8 Gulls (Cip?)
Low her	no far dir.
Yellow-r. W.	Meadowlark (5)

12-5-82 Sun. 61°

Overcast (about 2 min. of
sun at sun-up); wind
SSW, 10-25 mph.

200+ Herring Gulls	30-40 Doves
4-5 Juncos	10-12 Crows
20+ White-throats	8-10 Jays
3-4 Purple Finches	20+ Starlings
20+ House Finches	6-8 House Sps.
15-20 C. Waxwings	1 C. Wren (s)
2-4 Bluebirds	4 Goldfinches
2-3 Robins	2-3 Chickadees
15-20 Cardinals	5 Titmice
4 Mockers	2 Nuthatches
1 Pil. Woodpecker	12 Yellow-r. Ws.
2-3 Flickers	

2 Red-bellies

3 Downys

✓ 100+ H. Gulls to W. Ox. Rd.
Landing about 7:30 A.M. -
then a scattering of small
flocks all morning.

12-6-82 Mon. 67° -

Partly cloudy most of day;
occ. light variable breezes -

Absolutely spectacular,
sun + after-glow!!

2-3 Eve. Grosbeaks { 50' high 30-40
7:20 A.M. Doves

1 Towhee

8-12 Crows

4-6 Juncos

8-10 Jays

20+ White-throats 20+ Starlings

3-4 Purple Finches 6-10 House Sps

30+ House Finches	1 C. Wren (5)	4-6 Juncos	20-30 Doves
1 Towhee	4 Goldfinches	20+ White-throats	8-12 Crows
6 Bluebirds	3 Chickadees	30+ House Finches	2 Fish Crows
✓ 1 Golden-cr. Kinglet	5 Titmice	1 Towhee	8-10 Jays
1 Herring Gull	2 Nuthatches	15+ C. Waxwings	5-20 Starlings
2-3 Robins	1 Sharp-shin	2-3 Robins	6-10 House Sps.
10-20 Cardinals	1 Fish Crow	15-20 Cardinals	1 C. Wren (5)
4 Mockers	1 Yellow-r. W.	4 Mockers	4-5 Goldfinches
1 Pil. Woodpecker	20-30 C. Waxwings	2-3 Flickers	3 Chickadees
2-3 Flickers		2 Red-bellies	5 Titmice
2 Red-bellies		3 Downys	2 Nuthatches
2 Downys			

12-7-82 Tues. 41° -
 Sunny all day; wind NW
 in A.M. 5-15 mph
 Glorious day -

Note: at about 3:30 P.M.,
 perhaps 2-3000 Gulls at
 W. Ex Road Landfill.

12-9-82 Wed. 29°-

Cloudless + calm early;
occ. breezes in aft.

Great day!

3-4 Purple Finches	30-40 Doves
3-5 Juncos	8-12 Crows
20+ White-throats	6-10 Jays
30+ House Finches	2 Red-wings
20+ C. Waxwings	20+ Starlings
4 Bluebirds	6-10 House Sps.
15-20 Cardinals	1 C. Wren
4 Mockers	4 Goldfinches
1 Pil. Woodpecker	2-3 Chickadees
1-3 Flickers	5 Titmice
2 Red-bellies	2 Nuthatches
3 Downys	4 Herring Gulls
	1 Red-shoulder

④ Sharp-shin


12-9-82 Thurs. 32°-

Overcast; then clearing +
beautiful, but a cold N
wind, 10-15 mph.

4-5 Purple Finches	Doves
Juncos	Crows
White-throats	Jays
House Finches	Starlings
Jonc	House Sps.
C. Waxwings	Goldfinches
Bluebirds	Chickadees
Cardinals	Titmice
Mockers	Nuthatches
Flickers	
Red-bellies	

3 Downys

12-10-82 Fri. 44°
Cloudless, calm, cold.
Rain began in night -
continuing

1 Eve. Grosbeak ^{in yard} Doves
Purple Finches Crows
Juncos Jays
White-throats Starlings
House Finches House Sp.
C. Waxwings Goldfinches
Bluebirds Chickadees
Cardinals Titmice
Mockers Chickadees
Flickers Titmice
Red-bellies Nuthatches
Downys  Sharp-shin

1 Towhee
200+ Crows in Cobble
field at Braddock &
Colechester

12-11-82 Sat. 36°
Light rain continuing;
ending about 3:00 P.M. -

3-4 Purple Finches 30-40 Doves ¹⁰⁻¹²
3-4 Juncos ^Δ 10-12 Crows ^Δ
20+ White-throats 8-12 Jays ^Δ
20+ House Finches 1 Cowbird ^Δ
12-15 C. Waxwings ^Δ 10-15 Starlings ^Δ
15-20 Cardinals ^Δ 6-10 House Sp. ^Δ
4 Mockers ^Δ 1 C. Wren ^Δ
2-3 Flickers ^Δ 5 Goldfinches ^Δ

2 Red-bellies ^Δ 3 Chickadees ^Δ
 3 Downys ^Δ 5 Titmice ^Δ
 2 Nuthatches
2 Towhees ^(♂ Δ)

12-12-82 Sun. 24° -

Snow began sometime
 after 1:30 A.M. - about
 5" by 9:00 A.M. - blowing
 snow continuing, swirling
 in 1/3 length of garage - ending
 about 10:00 A.M. - then cloudless
 - bright sun - some thawing.

Juncos Doves
 White-throats (5) Crows
 House Finches Jays
 C. Waxwings 6 Red-wings

Purple Finches
 Robin
 Cardinals
 Mockers
 Flickers
 Red-bellies
 Downys
 Towhees (♂ Δ)

Starlings
 House Sps.
 Goldfinches
 Chickadees
 Titmice
 Nuthatches
 1 Cowbird ♂ (3)

12-13-82 Mon. 14° -

Cloudless & calm early;

Juncos
 White-throats
 House Finches

Doves
 Crows
 Jays

2 Towhees ♂ & ♀

C. Waxwings

Cardinals

Mockers

Flickers

Red-bellies

Downys

Starlings

House Sps.

Goldfinches

Chickadees

Titmice

Nuthatches

2 Cardinals ♂ & ♀

2-3 Flickers 2-3 Chickadees Δ

20+ Cardinals Δ 5 Titmice Δ

1/2 Red-bellies Δ 2 Nuthatches

2-3 Downys Δ 1 Rd-shoulder 2x

1 Grackle Δ

12-15-82 Wed. 27° -

Cloudy + calm early;

12-14-82 Tues. 14° -

Cloudless + calm;
scattered small clouds

in aft., but calm.
Glorious day!

24 Juncos 30+ Doves 120

25+ White-throats 8-10 Crows

20+ House Finches 12-15 Jays 100

15+ C. Waxwings (8 ♀) 5-6 Starlings

2 Towhees (1) 8-10 House Sps.

4 Mockers 2 6 Goldfinches

Juncos

White-throats

House Finches

C. Waxwings

Towhees ♂ & ♀ Δ

Purple Finch ♀ Δ

Cardinals

Mockers

Doves

Crows

Jays

Starlings

House Sps.

Goldfinches

Chickadees

Titmice

Pil. Woodpecker Nuthatches
 Flickers + Red-shoulder
 Red-bellies
 Downys

12-16-81 Thurs. - 58° -
 Drizzle continued thru night
 - hard showers about 6:00 -
 7:00^{AM}; ending and partial
 clearing by 9:00 A.M. -

TOTAL RAIN = 1.0"

By 11:00 A.M. - wind WNW, 10-25 mph
 - gusty

Juncos	Doves
White-throats	Crows
House Finches	Jays
C. Waxwings	Cowbird
Downy	Starlings
Cardinals	House Sps.
Mockers	Goldfinches

Flicker	Chickadees
Red-bellies	Titmice
Downys	Nuthatches
✓ Yellow-r. W	3 TVs

12-17-82 Fri. 40° -
 Overcast; bit of sun by
 11:00 A.M. - clear in aft. -
 wind N, 10-25 mph. all day.

3-8 Juncos	Doves
20 ⁺ White-throats	Crows
30 ⁺ House Finches	12-15 Jays
15-20 ⁺ C. Waxwings	Starlings
20 ⁺ Cardinals	House Sps.
4 Mockers	Goldfinches
3-3 Flickers	Chickadees
2 Red bellies	Titmice

3 Downys 2 Nuthatches
 1 Yellow-r. W. 4 Herring Gulls

12-18-82 Sat. 20° - 37°
 Cloudless & calm; occ.
 light breeze;

1 Yellow-r. W. 30-40 Doves
 1 Bluebird 6-10 Crows
 1 Towhee 12-15 Jays
 3-5 Juncos 3-4 Starlings
 20+ White-throats 6-10 House Sps.
 12-15 C. Waxwings 6 Goldfinches
 30+ House Finches 2-3 Chickadees
 3-4 Purple Finches 5 Titmice
 20+ Cardinals 2 Nuthatches
 4 Mockers
 2-3 Flickers

CHRISTMAS COUNT DAY.¹

Red-bellies
 Downys

12-19-82 Sun. 18° -

Partly cloudy & calm;
 then overcast; snow began
 about 1:30 - sticking on
 drive about 2:00 P.M.

2 Towhees ♂ 30-40 Doves
 1 E. Grosbeak ♀ 6-10 Crows
 3-5 Juncos 12-15 Jays
 20+ White-throats 3-4 Starlings
 12-15 House Finches 6-10 House Sps.
 3-4 Purple Finches 6 Goldfinches
 12-15 C. Waxwings 2-3 Chickadees
 1 Bluebird 5 Titmice
 20+ Cardinals 2 Nuthatches
 4 Mockers * 1 Red-shoulder

2-3 Flickers
2 Red-bellies
3 Downys

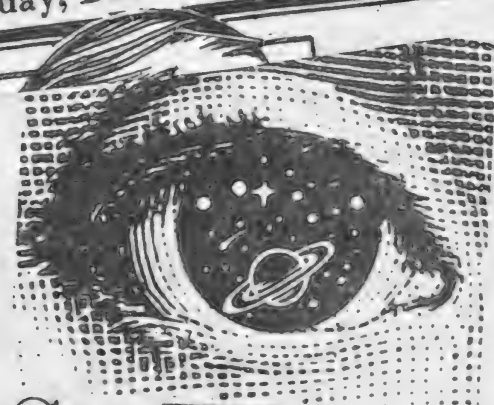
12-20-82 Mon. 18° -
overcast; mostly cloudy much
of day; wind N, 5-15 mph. in
aft.

Juncos
White-throats
House Finches
C. Waxwings
Cardinals
Mockers
Flickers
Red-bellies
Downys

Doves
Crows
Jays
Starlings
House Sps.
8 Goldfinches
Chickadees
Titmice
Nuthatches

Away 8:30 A.M. - 1:05 P.M.
- Fairfax Hosp. + groc. shopping

Wednesday, December 29, 1982 / B5



SKYWATCH

One of an occasional series to keep
you looking up, with information
from the U.S. Naval Observatory.

Set your clock for 4:50 tomorrow
morning and gaze westward if you
want to catch a total lunar eclipse
that astronomers predict will be
spectacularly colorful. (If you're

1 year
Downys
4-5 Herring Gulls
Northwatches
Juncos

Winter Solstice - 1239
PM

Wednesday, December 29, 1982 / B5



SKYWATCH

One of an occasional series to keep you looking up, with information from the U.S. Naval Observatory.

Set your clock for 4:50 tomorrow morning and gaze westward if you want to catch a total lunar eclipse that astronomers predict will be spectacularly colorful. (If you're tempted to sleep through it, be aware that the next TLE won't be visible here until 1989.) The lunar light show begins at 4:50 a.m. EST when the moon will begin to enter full shadow. "Totality"—as the scientists say—will begin at 5:58 EST and will last until 6:59 EST. The moon will leave the shadow of the Earth at 8:07 a.m., but since it will set here at 7:35 a.m. EST, the final stages won't be visible in this area.

The moon never completely disappears during a TLE because the sun's rays bend and refract as they pass through the Earth's atmosphere. This causes the moon to appear variously colored. The colors could be particularly spectacular this year, as the result of volcanic ash in the atmosphere, courtesy of Mount St. Helens in Washington State, El Chichon in Mexico and perhaps Galunggung in Indonesia.

for Keyboard, happen to be older (average age, 35 compared to 26 for the other two magazines). Almost half the GP and Keyboard readers are "people struggling to make careers in music."

When he first came to GP as an assistant editor in 1970, Crockett spent a year learning how to play guitar "so that I knew something about the mechanics involved. And I spent five years reading every available book about the guitar—history, performance, maintenance. I'm probably one of the world's truly great authorities on the instrument ... but God forbid you should put one in my hands."

acements

Married tsinger

Elmira, N.Y.,
e marriage of
rt Charles Ar-
Argetsinger of
e yesterday in
re the bride's

munity College,
L. Warner, of
rner, Washing-
Her father is
in Elmira and
rt Museum.



2-3 Flickers
2 Red-bellies
3 Downys

12-20-82 Mon. 18° -
overcast; mostly cloudy much
of day; wind N, 5-15 mph. in
aft.

Juncos
White-throats
House Finches
C. Waxwings
Cardinals
Mockers
Flickers
Red-bellies
Downys

Doves
Crows
Jays
Starlings
House Sps.
8 Goldfinches
Chickadees
Titmice
Nuthatches

Away 8:30 A.M. - 1:05 P.M.
- Fairfax Hosp. + proc. shopping

12-21-82 Tues. 34° -

Sue and Rachel are
due ~~today~~ today!! ☺

Partly cloudy all day;
wind N, 5-15 mph.

They are here - 6:15 P.M.!!

Purple Finches
Juncos
White-throats
House Finches
C. Waxwings
Cardinals
Mockers
Flickers
Red-bellies
Downys
4-5 Herring Gulls

Doves
Crows
Jays
Red-wings
Starlings
House Sps.
Goldfinches
Chickadees
Titmice
Nuthatches
Juncos

Winter Solstice - 12/21/82
PM

12-22-82 Wed. 30° -

Cloudless & calm; few wispy
clouds after 4:30 P.M.

Yellow-r. W.	Doves (5)
Juncos	Crows
White-throats	Jays
Purple Finches 200	Starlings
House Finches	House Sps.
C. Waxwings	1 C. Wren (5)
Cardinals	Goldfinches
Mockers	Chickadees (5)
Pil. Woodpecker	Titmice
Flickers	Nuthatches
Red-bellied	Purple Finch (4)
Downys	

12-23-82 - Thurs. 38° -

Light drizzle began 7:00 A.M. -
interm. to 8:30 A.M.

Juncos	Doves
White-throats	Crows
Purple Finches	Fish Crow
House Finches	Jays
C. Waxwings	Starlings
Cardinals	House Sps.
Mockers	Goldfinches
1-2 Pil. Woodpeckers	Chickadees
Flickers	Titmice
Red-bellied	Nuthatches
Downys	* Red-shoulder
1 Bluebird	Towhees

12-24-82 Fri. 36° -
Cloudless + calm;

3-4 Bluebirds	Doves
Towhees	Crows
Purple Finches	Jays
Juncos	Starlings
White-throats	House Sps.
House Finches	C. Wren (5)
30+ C. Waxwings	Goldfinches
Cardinals	Chickadees
Mockers	Titmice
Pil. Woodpecker	2 Nuthatches ¹⁰
Flickers	1 Sharp-shin
Red-bellies	(7:10 A.M. in D)
Downys	1 Red-shoulder

12-25-82 Sat. 55° -
Christmas Day with
Sue + Rachel here!
Sunny early; overcast by
10:00 A.M.; Wind S, 10-25 mph.

Purple Finches	Doves (5)
Juncos	Crows
White-throats	Jays
House Finches	Starlings
C. Waxwings	House Sps.
Cardinals	C. Wren (5)
Mockers	Goldfinches
Pil. Woodpecker	Chickadees
Flickers	Titmice
Red-bellies	Nuthatches
Downys	Herring Gulls

12-26-82 Sun. 56°-

Cloudy; light showers last night (trace of rain)

1 Towhee	Doves (5)
Bluebirds	Crows
Purple Finches	Jays
Juncos (5)	Starlings
White-throats (5)	House Sp.
House Finches	C. Wren (6)
Cardinals	Goldfinches
Mockers	Chickadees
Pil. Woodpecker	Titmice
Flickers	Nuthatches
Red-bellies	2 Red-shoulders
Downys	2 Herring Gulls
Golden-cr. Kinglet	1 Sharp-shin
C. Waxwings	

12-27-82 Mon. 47°-

Sue leaves today - left at 10:00 A.M.

Drizzle began before dawn - cont. to 8:00-8:20. Then overcast - occ. faint sun. - total = 0.1".

1 Towhee	Doves ⁴⁵⁻⁵⁰
Purple Finches	Crows ⁵⁻¹⁰
Juncos	Jays
White-throats (5)	Starlings
House Finches	House Sp.
C. Waxwings	C. Wren (4)
Cardinals	Goldfinches
Mockers	Chickadees
2 Pil. Woodpeckers	Titmice
Flickers	Nuthatches
Red-bellies	2 Red-shoulders

3 Downys 1 Sharp-shin

3 Downys ? Sharp-shin
1 Fish Crow Herring Gulls

12-28-82 Tues. 48°-

Dense fog, lifting by about
10:00 A.M., then heavy clouds -
occ. bit of sun; wind in aft.,
S, 10-30 mph.

Juncos	Doves
White-throats	Crows
House Finches	Jays
Towhees	Starlings
C. Waxwings	House Sps.
Cardinals	C. Wren
Mockers	Goldfinches
2 Pil. Woodpeckers	Chickadees
Flickers	Titmice
Red-bellies	Northstars

12-29-82 Wed. 54°-

overcast; occ. sun; wind S,
5-15 mph.

Yellow-r. Ws.	Doves
Purple Finches	Crows
Juncos	Jays
White-throats	Starlings
House Finches	House Sps.
C. Waxwings	Goldfinches
2-3 Bluebirds	Chickadees
Cardinals	Titmice
Mockers	Northstars
2 Pil. Woodpeckers	H. Gulls

Red-bellies
Downys

Towhee

FULL MOON -

8-2-30-52 Thurs. 28°
overcast all day, with occ.
bit of sun; occ. light,
variable breezes.

Principle

2 Eve. Grosbeaks	7-12 Doves
1 Towhee	10-12 Crows
4-5 Juncos	12-15 Jays
20+ White-throats	20 Starlings
15 C. Waxwings	8-10 House Sps.
30+ House Finches	5-6 Goldfinches
2-3 Bluebirds	3 Chickadees
2-3 Purple Finches	5 Titmice
20-30 Cardinals	2 Nuthatches
4 Mockers	1 Sharp-shin
2 Pil. Woodpeckers	in yard

3:50 PM.

Rachel leaves today on 9:00
a.m. bus for Roanoke;

12-31-82 Fri. 26° -
overcast;

✓ 3 Eve. Grosbeaks ^{3 ♀ Δ}

2-3 Purple Finches

Juncos

White-throats

House Finches

C. Waxwings

2-3 Bluebirds

20+ Cardinals

4 Mockers

2 Pil. Woodpeckers

Flickers

Red-bellies

Downys

Doves [5]

Crows

Jays

Starlings

House Sps.

Goldfinches

Chickadees

Titmice

Nuthatches

1-1-83 Sat.

Overcast early; then mostly
sunny - alternating;

Joncree

Juncos

White-throats

House Finches

C. Waxwings

Bluebirds

Cardinals

Mockers

1-2 Pil. Woodpeckers

Flickers

Red-bellies

Downys

Doves (5)

Crows

Jays

Starlings

House Sps.

Goldfinches

Chickadees

Titmice

Nuthatches

Red-shoulder

1-2-83 Sun. 30° -

Overcast; occ. peek of sun;

Purple Finches
Juncos
White-throats
House Finches
Towhees
C. Waxwings
Cardinals
Mockers

2 Pileated Woodpeckers
2 Nuthatches
2 Red-shoulders
Herring Gulls
Downys

Doves (3)
Crows
Jays
Starlings
House Sps.
Goldfinches
Chickadees
Titmice

Heidi caught a mole in
the Δ this afternoon, but
it got back into its burrow.

1-3-83 Mon. 34° -

Few scattered clouds early;
wind S, 10-15 mph; cloudless
and almost calm in afternoon.

12 Purple Finches 10-15 Doves
3-5 Juncos 10-12 Crows
20+ White-throats 1 Fish Crow
30+ House Finches 12-15 Jays
15-20 C. Waxwings 8-10 Starlings
1 Bluebird ♀ Δ 8-10 House Sps.
20+ Cardinals 4-6 Goldfinches
4 Mockers 3 Chickadees
2 Pil. Woodpeckers 5 Titmice
12 Flickers 2 Nuthatches
2 Red-bellies 1 Red-shoulder
3 Downys

1-4-82 Tues. 23° -
Cloudless,

Juncos	Doves
White-throats	Crows
House Finches	Jays
C. Waxwings	Starlings
Cardinals	House Sps.
Mockers	Goldfinches
Red. Woodpeckers	Chicadees
1-2 Flickers	Titmice
Red-bellied	Nuthatches
Downys	Red-shoulders
	1 H. Gull

1-5-82 wed. 32° -
Light, freezing rain began
before 7:00 A.M.

X Medication sent
My brain Aske^{ed} from
here on

2-6-82 Thurs. 30° -

Partly cloudy;

↓
Delandem
discontinued
after 18 or 24
hrs. Back to
Warrior

Doves (5- every
day
(etc.)

Juncos
White-throats
House Finches
C. Waxwings
Cardinals
Mockers
Pil. Woodpeckers
? Flickers
Red-bellies
Downys

A bad day! "Disease is
progressing" - "No point in contin-
uing present chemo" - "no promise

from more involved chemo, and,
may produce bad side-effects -
"very anemic - start transfu-
sions tomorrow."

2-7-82 Fri. 23° -

{ Away 8:50 A.M. to 3:30 P.M.:
Fairfax Hosp. Outpatient for blood
transfusion

2-8-82 Sat. 35° -

Mostly sunny to aft., then
mostly cloudy. Dec. breeze.
Nice day

Junco Δ	Doves ⁽⁵⁾ Δ
White-throats Δ	Crows 2 Δ
House Finches Δ	Jays Δ
20+ C. Waxwings Δ	Starlings
Cardinals	House Sps. Δ
Mockers	Goldfinches Δ
? Flickers	Chickadees Δ
Red-bellies	Titmice Δ
Downys	Nuthatches
	Red-shoulder
	1 TV

2-9-82 Sun. 35° -

Heavy overcast; occ. bit of sun;

20+ C. Waxwings ^{9A} 2X

Junco

White-throats

House Finches

C. Waxwings

Cardinals

Mockers

2 Red-bellies

3 Downys

Dove

Crows

Jays

5 Fish Crows

Starlings

House Sps.

Goldfinches

Chickadees

Titmice

Nuthatches

Red-shoulder

Herring Gulls

2-10-82 Mon. 40° -

Light showers began last night, continuing; brisk at times.

Juncos
 White-throats
 Purple Finches
 House Finches
 C. Waxwings
 Cardinals
 Mockers
 Red-bellies

Doves
 Crows
 Jays
 Starlings
 House Sps.
 Goldfinches
 Chickadees
 Nuthatches

✓ 4 Downys ✓ 1 Maple ✓ 1 Red-shoulder
 (3 ♀)

2-11-82 Tues. 45°

Light, intermittent showers
 & spatters cont. to about
 3:30 P.M. Total = 0.7"

Sun out in late aft.; a
 glorious day then

all of every-day birds,
 plus one ♂ Red-shoulder.

12-12-82 Wed. 39°

Mostly sunny, but wind
 NNE, 15-40 mph. (gusty) until
 late aft.; then abating.

All of every-day birds,
 plus one F.V.
 1 Starling Δ!

12-13-82 Thurs. 24°
 Cloudless;

12-14-82 Fri. 25-45°

Blue Trace

1-15-82 Sat. 32°

overcast; few falling flakes of
snow at 3:20 P.M.

4 H. Gulls; 1 Sharp-shin;
TV; 1 Bluebird (♀) at bird-bath (♂)

1-16-82 Sun. 32°

1-17-82 Mon. 20°

Lucas and Rachel arrived!
So great! About 6:50 P.M.

Bluebirds, etc.

1-18-83 Tues. 20°

TV, etc.

1-19-83 Wed. 19°

Wind - 1 Carolina Wren on
the Holly - first here in

1-20-83 Thurs. 15°

Cloudless; wind NNE 5-20
m.p.h.

wheelchair
1-21-83

1 Towhee (♂ Δ); 1 TV

1-21-83 Fri.

Cloudless;

Great Horned Owl
in yard 7:20 AM
calling for 10 min -
today & so - yes

Towhee, plus "dailies" juv.

1-21-83 Sat. 26°

overcast all day;

juv!

Light snow began 2:30-3 PM
12-ov+ Goldfinches in triangle
plus dailies

1-23-83 ^{Dues} ~~one~~ - high = 34°
about .7 inches of rain til
4:30

50-60 cedar waxwings
plus dailies
9PM gray fox at 3 ^{high} years

1-24-83 ^{Dues} - 49° - Dulles

~~1-25-83~~ 33° - ^{Dues} more

1-26-83 36° - ^{Dues} more
~~2-3-83~~ 124/64 99-84 - ^{Dues} more

Jim

Jim said to add ^{Jim}
Dues 2-8-83 Tues
845 AM

2-14-83

Snow piled high
on boxwood etc & sides
of driveway.

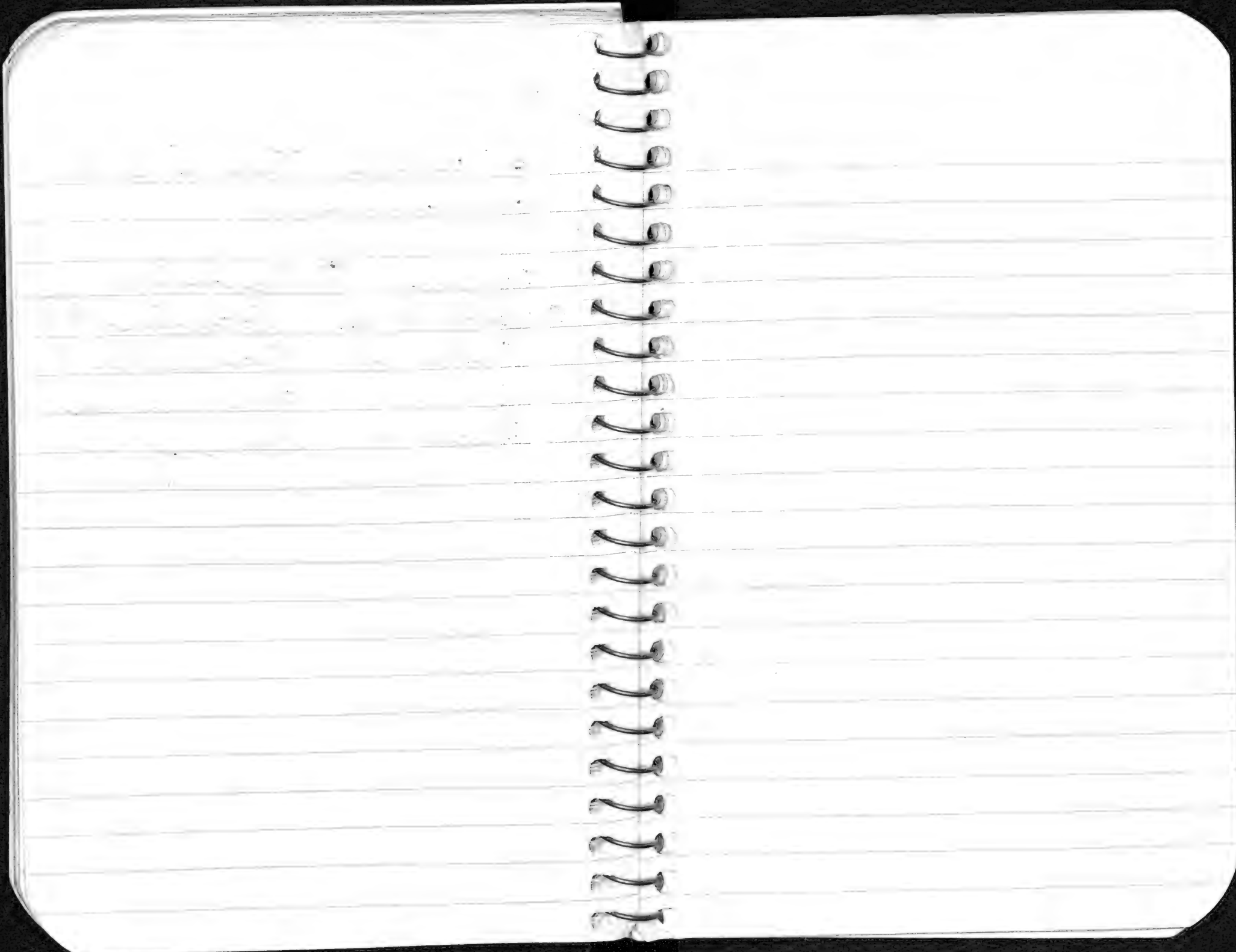
Towhee 10 Cardinals (on
20 White Thr. 1 Starling (off)
Titmouse Goldfinches
Juncos House finches
Mockers Downy

2-26 Sat Cold

Towhee
usual crows

My dear, beloved -
I'll keep trying to
get a good list. I am
feeding our birds well.

6-4-83 I miss you
Tessie





* the bird may have been
here (Jim would hear or
see it) but this is the
first I saw it.

3-11-83 Fri

No sun all week

Every thing wet / bloom
P. affinis 6 & 8" no yet
all in Δ (miss)

12-15 Jays

2 Red Bellies ♀♂

2+ Downy

H Finches

White Throats

Goldfinches

Cardinals

Juncos

1 Dove

Hat mice

Chickadees

2 Crows

Grackles

2 Robins ♂♀

Thousands of earthworms on
drive back way to
mail box

3-12-83 Saturday

Windy
Sun: 9:30

Towhee ♀ ♂

White Throats

12+ Jays

6-8 Goldfinches

6 House finches

2-3 Downys

2 Redbelly ♀ ♂

12+ Cardinals

Doves

Crows

3-5 Eng Sparrows

Juncos

Towhees

Chickadees

Grackles

Red waxwings

3-13-83

Still very windy
Many limbs blown
off trees. Sunny -

Cardinals

Jays

White Throats

H. Finches

Goldfinches

T. Wren

Chickadees

3-4 Downy

Grackle

Juncos

2 Redbelly

2 Mockingbird

Crow

Dove

Grackles

Eng Sparrows

3-14-83 PM

Light to 70° today (forecast)
Sunny til 2 - then overcast

goldfinches

Grackles

Cardinals incl a bald one

Juncos

Jays

Chickadees

White Throats

2 Redbelly B & F

Tat mice

* Song sparrow

6 Doves

House Finch

4 Eng sparrow

3 Downys

Towhees &

2 Bluebirds on wire

7

3-15-83

Frankley, O.

Sunny, just night day! returned

Jays Cardinals & juncos

12⁺ Cardinals

Goldfinches

White Throats

House Finches

4 Doves

Chickadees

Tat mice

Chickadees

Eng sp

Grackles

Crows

Juncos

Sharpshin?

Starlings flock 100

3-16-83

Sunny - Cool -

Squirrel at water

Juncos

Cardinals

Grackles

Chickadees

Goldfinches

Doves

White Thro.

2 Song Sp.

Bluebird ♂ at water

3 Eng. sps

8 Jays

2 Downys

Redbellies

House Finches

Tit mice

Crows

Mockingbird

Robin

3-17-83

Overcast, cool

Cardinals

White Throats

Goldfinches

Grackles

Jays

Doves

House Finches

Song Sp.

Eng. "s"

2 Downy ♂ & ♀

* Purple Finch ♂ & ♀

Crows

Sharpshin

Red bellies

3-18-83 Anne. here
Rained last night &
all day today. Power off
1 1/2 hr 6:30-8

Flicker, front yard
Cardinals
Titmouse
Chickadees
10? White throats
Juncos
Housefinches
Eng. Sps.
Doves
12+ Grackles
2-3 Downys
Starlings, flock in
Crows
6 Goldfinches
* White Crown ♀?
Red belly

3-19-83 Saturday
Rained off and on overnight
7:30 - some sun - Heidi made
Pretty clouds - Windy friends with
3 Chickadees Cornflakes,
Dove
Titmouse

2 Red belly ♂ ♀
20 Cardinals one crestless
12 Jays
2 Downy
TV in
Grackles
12+ White throats
4 goldfinches
House finches
Eng. sps
Crows
1 Cowbird on tr.
limb

3-20-83 Sunday

7:50 AM Sunny - pleasantly cool
(no jacket)

grackles

Jays

Cardinals

Goldfinches

Dove

House sp

White throats

House Finches

Song sp

Downy

Chipping sp.?

Junco

Red belly

Started

cleaning

R's terr.

Should be

here:

Mocker

Bluebird

Fld sp.

Junco

Flicker

Robin

Crows

3-21-83

8:30 sun out

7: Rain again. Cold & balmy.
8 AM Humidly 84

12+ Jays

12 Cardinals

2 Juncos

12 White th

2 Eng sp

5 Goldfinches

12 House Finches

4 Titmouse

2 Chickadees

2 Downy

12 Grackles

12 Dove

2 Red belly 74

1st day of
Spring!

12 = more or
less

3-22-83 7 AM 40°-37°

Cardinals	12 Cardinals
Goldfinches	8 goldfinches
Doves	3 Doves
5 Titmouse	2-30 crows
Grackles	5 Titmice
12 Jays	2 Chickadees
White thr	50 h T h
House finches	Jays
2-4 Downy	* Purple F. ♂ & ♀
6 Eng. Sparrow	Eng sp.
Chickadees	2 Juncos
Song sp	2 Song sp.
Juncos	19 House Finches
	Red belly ♂
	Grackles
	Mockingbird

3-24-83 2 Q1 35° 41°-30°

Thurs no sun

Song sp.	Lunch +
Jays	Shoppers Patey
Doves	
Cardinals	
Goldfinches	
Juncos	
7 Grackles	
Mockingbird	
Downys	
House sparrow	
White Throats	
Titmice	
Chickadees	
fl. Starling	
Downy	
Mockingbird	
Purple Finch ♀	

3-25-83 AQI 50
 40°
 Friday windy Temp 50° - 29°

Towhee &
 Eng sps
 Wk Thr.
 Goldfinches
 Grackles
 Cardinals
 Jays
 House Finches
 Juncos
 Chickadees
 Titmice
 Song sp
 Downys
 Crows
 Red belly
 Mockingbird

W Post?
 AQI 50
 54-29°
 1000' low
 Bell Camp
 better juncos

3-26-83 Sunny: 3-27-83
 Saturday Sunday
 AQI: 45° 54-29°
 Rain all day -
 Wind, too. AQI 30;
 55°-41° D over

Juncos
 Goldfinches
 Song sp
 Grackles
 Cardinals
 Jays
 Chickadees
 House finches
 Titmice
 Doves
 Red belly
 White thr.
 Eng sps
 Mocked
 Downys

Jays
 Chickadees
 Titmice
 Goldfinches
 House finches
 Crows
 Cardinals
 Eng sps
 Field sp.
 Grackles
 White thr
 Mocked
 Downys
 Red belly
 Juncos

3-28-83

Monday

AQI 25:57-45°

Rained all night
still raining

6 Goldfinches

4 Chickadees

4 Titmice

12 Cardinals

12 Doves

8+ White Thr

3 Downy ♂ & ♀

8+ House Finches

1 Song sp

6 Eng sps

Red belly ♂

2 Jays

No Juncos

3-29-83

Sunny cool

AQI 35:54-38°

TV

6 Goldfinches

3 Titmice

1 Chickadee

1 Jay

Red belly ♂ & ♀

4 Downy

6 White Thr

1 Mocker

12 Cardinals

6 House Finches

2 Grackle

Doves

Eng sps

Song sp

No Juncos

3-30-83

Wednesday

Sunny cool

AQI 35:47-29°

Mocker

Cardinals

8 Doves

Jays

Goldfinches

White Thits

Grackles

Jays

Red Belly ♂ & ♀

Chickadees

House finches

Eng sps

Downy

2 Juncos

Crow

Titmice

House Finches

TV

Song sps²

3-31-83 Thurs.

cast: cold

Sun' later HQI 30

47-37°

Cardinals

Dove

Jays

11 White Thits

House finches

Goldfinches

Eng sps

Titmice

Grackles

Mocker

Chickadees

3 Downy

Crows

Red belly ♂ & ♀

Juncos

April 1 - 1983
Friday
Sunny - some wind
Cool 30
64° - 34° Fox

Junco
Chickadees
Titmouse
Cardinals
Jays
House Finches
50 Grackles
Goldfinches
Eng sp
Song sp
Red wing
Downy

April 2 '83 a/c 30
Rain 54° - 40°

April 3, a/c 40
Sunny 0' cast
no rain
64° - 49°

April 2 & 3
Harrisonb
* 9:30 AM 4/2
* 3:30 PM 4/3
* ~~heavy rain~~

Apr 4 - 1983
Monday Sunny
60° - 45° a/c 35

2 Junco
Cardinals
12+ Jays
Grackles
8 Goldfinches
White thro
Doves
Red belly ♂
Purple ♀
Song sp
3 Downy ♀ & ♂
Starlings
Chickadees
Titmouse
House Finches
Eng sp

Tues. '83
Apr. 5 '83
Rain again /
0' cast all day
a/c 30
57° - 44°

Cardinals
House finches
4 Downy *
Goldfinches
30 Grackles
Doves
20 Jays
5 White thro
Purple ♀
2 Junco
Mocker
Red Belly ♂ & ♀
Chickadees
Titmouse
Eng sp
Song sp

* Fuzzy headed.
long thin bill

April 6 Anniversary
~~43.228~~
Rainy! Wed.
all day a/c 30
53° - 49°

Grackles
Jays
Downy
House Finches
Cardinals
Goldfinches *
Doves
* Hairy
Whitethroats
Eng sp
Titmouse
Chickadees
Junco
Red belly ♂

* getting yellow
er

4-7-83 Thurs
Raining again!
lpi 35° 57° - 50°

Junco
White Thr
Cardinals
7 Doves
6+ House Finches
Gold Finches
Red belly ♂ & ♀
x4 Downy
Jays
Grackles
Eng Sps
Titmouse
Chickadees

also the
strange one

4-8-83 Fri
still raining
lpi 25° 63° - 54°
2 deer - woods

12+ House Finches
Chickadees
White Thro
Doves
Grackles
Cardinals
Eng Sps
Jay
Goldfinches
Junco
2 Downys
Red belly ♂
Crows
100 Starlings

4-9-83 Sat. April 10 - 83 Sund.
Still Raining
lpi 30° 49° - 48°
Rained until 7 AM
Sunny for noon
some wind lpi 10° 61° - 45°

8 House Finches
12²⁸ Cardinals
Goldfinches
White Thro
Jays
3 Downys
House Sps
Doves
Grackles
Robins
Hawk

Goldfinches
Red bellies
Downys
House finches
White Throats
Eng Sps
Jays
Grackles
Chickadee

I was gone from
7:30 to 11 - my l.
eye was making
me see day -
night a lot.

mon
April 11 '83

It rained
early AM
6:25 - 5:45
Sunny by 7
Purple 7:00
30 Cardinals
40 White Ths
Goldfinches **
2 Downys*
Doves
 Jays
Chickadees
Robins
Crows
House Finch
Red wing
Song sp
Titmouse
Crows
Mockers
+ Chipping Sparrow
+ Goldfinch
Yellow

April 12 Tues
Sunny cool
66-35
55-41

10 White Ths
Goldfinches
Doves
30 Cardinals
Jays
Downy
+ Tring Downy
House Finch
Titmouse
Blue Jay
Song sp
Red bellied
Crows
Grackles
no juncos
+ House sp
a White Ths
we will have
Orest less Crows

Apr 13 - 83 Wed
Sunny cool
66-30
63-41

10 White Ths
6 Goldfinches
Robins
Red bellied
Downy
Starling
Grackles
House Finch
Chickadee
Titmouse
Mockers
Doves
+ Cardinals

Apr 14 '83 Thurs
Sunny - cool
66-35
64-41

Mockers
Downy
3 Chickadees
Titmouse
10 Goldfinches
Cardinals
White Ths
Doves
Red bellied
Grackles
House Finch
Doves

April 15 83 Friday

Rained most all day
12-15°
50°-55°

Regular birds
all in yard

Sat 9-16-83

Sunny mostly
Apr 24-54-74

Sunday 17

Sunny 60-80

Post box over 8-7-1/2

With (for) 10-11

15-20 Croakles

8 Doves

Cardinals

Jays

White Throats

1-2 House Finches

2-3 Goldfinches

2 Bluebirds

4 Chickadees

House T.

Tatouze

4-17 cont

2-3-4-5-6-7-8-9-10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-25-26-27-28-29-30-31

4-18-83 Monday

4-19-83 Tuesday

4-20-83 Wednesday

4-21-83 Thursday

4-22-83 Friday

4-23-83 Saturday

4-24-83 Sunday

4-25-83 Monday

4-26-83 Tuesday

4-27-83 Wednesday

4-28-83 Thursday

4-29-83 Friday

4-30-83 Saturday

5-1-83 Sunday

5-2-83 Monday

5-3-83 Tuesday

5-4-83 Wednesday

5-5-83 Thursday

5-6-83 Friday

5-7-83 Saturday

4-18-83 Monday

4-19-83 Tuesday

4-20-83 Wednesday

4-21-83 Thursday

4-22-83 Friday

4-23-83 Saturday

4-24-83 Sunday

4-25-83 Monday

4-26-83 Tuesday

4-27-83 Wednesday

4-28-83 Thursday

4-29-83 Friday

4-30-83 Saturday

5-1-83 Sunday

5-2-83 Monday

5-3-83 Tuesday

5-4-83 Wednesday

5-5-83 Thursday

5-6-83 Friday

5-7-83 Saturday

5-8-83 Sunday

5-9-83 Monday

5-10-83 Tuesday

4-18-83 Monday

4-19-83 Tuesday

4-20-83 Wednesday

4-21-83 Thursday

4-22-83 Friday

4-23-83 Saturday

4-24-83 Sunday

4-25-83 Monday

4-26-83 Tuesday

4-27-83 Wednesday

4-28-83 Thursday

4-29-83 Friday

4-30-83 Saturday

5-1-83 Sunday

5-2-83 Monday

5-3-83 Tuesday

5-4-83 Wednesday

5-5-83 Thursday

5-6-83 Friday

5-7-83 Saturday

5-8-83 Sunday

5-9-83 Monday

5-10-83 Tuesday

4-19-83 Tuesday

4-20-83 Wednesday

4-21-83 Thursday

4-22-83 Friday

4-23-83 Saturday

4-24-83 Sunday

4-25-83 Monday

4-26-83 Tuesday

4-27-83 Wednesday

4-28-83 Thursday

4-29-83 Friday

4-30-83 Saturday

5-1-83 Sunday

5-2-83 Monday

5-3-83 Tuesday

5-4-83 Wednesday

5-5-83 Thursday

5-6-83 Friday

5-7-83 Saturday

5-8-83 Sunday

5-9-83 Monday

5-10-83 Tuesday

5-11-83 Wednesday

Apr 20 1983
Wednesday
Cold

Apr 21-1983
Thursday
Cold Sunny
26-50
L3-33°

Chickadee	Sharpshooter
Titmouse	Titmouse
Downy	Chickadee
Jays	Goldfinches
House finches	Cardinals
Cardinals	House Finches
Red bellies	White throats
Downy	Grackles
Goldfinches	Jays
20-30 White Thats	Downy
Towhees	Red bellies
Grackles	Downy
Eng sps	Towhees
Song sp	Crow
Mockingbird	Eng sps
20-30	20-30

April 22, '83
Cold Sunny
Apr 60
- 68-41

Apr 23 '83
Cool - 0
Apr 30
67-44°

Titmouse	Titmouse
Chickadee	Chickadee
Goldfinches	Goldfinches
White throats	White throats
House finches	House finches
Cardinals	Cardinals
Eng sps	Eng sps
Downy	Downy
3-4 Downy	3-4 Downy
2 Red bellies	Red bellies
Grackles	Grackles
Jays	Jays
	Towhees

Great Red Cardinal
Downy down - 10-15
House - 10-15
Song - 10-15
Towhees - 10-15

Sunday
Apr 24 83
E.S.T.
Raining
53-60

4. Red-tailed Hawk
6. Goldfinches
Song
Crows
6. H. virens
3. Downys
- Red-bellied
- House Wren
Chickadee
Titmouse
Grackles
Eng. sp.

Monday
Apr 25 83
E.S.T.
50-55

4. Red-tailed Hawk
- Goldfinches
- Song
- Crows
- H. virens
- Downys
- Red-bellied
- House Wren
Chickadee
Titmouse
Grackles
Eng. sp.

Red-bellied
Saw-whet

Tuesday
Apr 26 83
E.S.T.
50-55

4. Red-tailed Hawk
- Goldfinches
- Song
- Crows
- H. virens
- Downys
- Red-bellied
- House Wren
Chickadee
Titmouse
Grackles
Eng. sp.

Red-bellied
Saw-whet

Wednesday
Apr 27 83
E.S.T.
50-55

4. Red-tailed Hawk
- Goldfinches
- Song
- Crows
- H. virens
- Downys
- Red-bellied
- House Wren
Chickadee
Titmouse
Grackles
Eng. sp.

Red-bellied
Saw-whet

Feb 24 83	Mar 1 83
Sumner woman	Liberty 74 M
Apr 35 82-57	W 55 82-66
Highway	Church 3-70
Tick on head	Mr. O. W. 7 00
Lat 13.1/83	Town
Apr 55 79-67	Carroll
Goldfinches	Grackles
Cardinals	Goldfinches
Chickadees	Red-bellied
White-throats	White-throats
Chipping	Chickadees
Titmouse	Titmouse
Grackles	Downy
Down	House Finch
Jays	Bob-white

May 1 '83 Sunday
 Leaving 9 AM
 24:55 83-66
 Church Creek
 No birds 7:00
 Towns
 Chickadees
 Grackles
 Goldfinches
 Red-bellies
 White-throats
 Cardinals
 Titmice
 Downys
 House Sps
 Rob. White

[illegible]

artificial

May 5 '83
Cool Pledge day
7AM 22° 55
73-48°

House Finch
Titmice
Cardinals
Jays
Goldfinches
Chickadees
3-5 Downys
Grackles
Doves
Field sp.
4 Robin
Piedmont sp.
Wrens
Bluebird
Eng sp.
1-2 White-throats

12 eggs 1st nest
2nd nest

May 6, '83
Cool day
71-46° 55

Mockingbird
House Finch
Titmice
Cardinals
Jays
Goldfinches
Chickadees
Downys
Grackles
Doves
Song sp.
Robins
Red-belly
Wrens
Bluebird
Eng sp.
White-throat

cut bird
20 YR warblers

Jonquils all thru April
Cool April
Lilacs end of April
Dianthus and Aconites
about May 1st
Snowball - 5/4 starting to bloom
Poppies before 5/7
Lilac
Dogwood May 1
Red bud " "
Columbines - 5-6.
The purple Aconites (over Wilmers)
spread dramatically

May 7 - 1983 Friday 8 - 1983

Yesterday
Cool sunny
68-75
77-82
Rain PM
64-71
74-83

House Finch 4
Cardinals 18
Doves
Goldfinches
Grackles 3
Wren (s)
Red belly
Chickadee
Jays
T. Vultures
Crows
Robins
Mockbird
4 Downys
no chickadees

4-5
18
Jays
Doves
Grackles
2-3
Wrens
Cardinals
Red belly 2-3
T. Vultures
Bluebirds
TV
C. Wren
Robins
Titmouse
Chickadee

Bushy had some

- 2 eggs

May 9 - 1983 May 10 - 1983

Cool Sunny
69-74
64-75
Cool Sunny
69-74
71-83

Downys
Cardinals
Chickadee
Doves
Titmouse
Jays
Grackles
Goldfinches
Red belly
3 Crows
Bluebirds
Nuthatch
House Finch
Wren
Crows

Nuthatch
Cardinals
Doves
Titmouse
Chickadee
Doves
Goldfinches
Jays
Grackles
Red belly
C. Wren
House Finch
Downys
Bluebirds
Wren
Crows

* White Thr

Volcan: at sunset

* Scarce

May 11-1483

Wednesday

Cool (shot of heat)

Aft 70 74-48

Goldfinches

Chickadees

Titmouse

2 Nutcracker

Cardinals

Doves

Grackles

2 Cowbirds

Redbelly

4 Downys

Harry

House Finch

May 12 '83

*Kale V coming

Cool Sunny

Aft 40 74-48

Cardinals

Goldfinches

Chickadees

✓ Downys

Chickadees

Titmouse

House F

*Left home 7:00

At home 11:00

*Home 11:00

7:00

May 13 '83 Fri.

Drumst 7:55

78-58

Good most of day

May 14 '83 Sat

Aft 40 81-58

Same -

May 15 '83 Sun

Chined in PM

Aft 30 86-68

Downy Robin

Cardinals Mockers

Down

Chickadees

Titmouse

Catbirds

Grackles

Wrens

Redbelly

Jays

Goldfinches

Mon May 16 '83

Rain all day

72-47

Redbelly

Cardinals

7 Goldfinches

2 Doves

Downys

Wrens

Catbird

Bluebirds

House Finch

regular

Tues May 17 '83
 Sunny - 67-50
 67-43

- Downys
- Cardinals
- Doves
- 8 Goldfinches
- Downys
- Red wings
- Chickadees
- Tat mass
- Wrens
- Bluebirds
- Cat bird
- Grackles
- Crows
- Jays
- House Finch

Wed 5/18/83
 Sunny 63-50
 72-49

- Downys
- Cardinals
- House Finch
- Jays
- Grackles
- Goldfinches
- Tat mass
- Wrens
- Chickadees
- Bluebirds
- Tat bird
- Grackles
- Crows
- House Finch
- Jays
- Doves

Thurs 5/19/83 5:20-83
 Part Rain * Rain 60-55
 60-34-53

- 6 Goldfinches
- Doves
- Downys
- Wrens
- Cat bird
- Cardinals
- Red belly
- Hummingbird
- Robin etc

780-62
 Sunny
 Wrens
 Jays
 moved

- Grackles
- House Finch
- Cardinals
- Doves
- Goldfinches
- Robin TV

Towhens

5:21- Sat
 60-25
 73-68

Note: Cool
 Spring - prob
 accounts for
 abundance of
 blooms - most
 ever here's lasting

- Doves
- Jays
- Wrens
- Downys
- Grackles
- Robin
- House Finch
- Chickadees

5-22-83 Sun Crows
 Rain. aqi 20 1 Grackles
 71-64 1 Starling
 4 Downys Peewee
 12 Doves R's terrace Iris
 8 Cardinals (purple brown);
 8 Goldfinch Poppies have
 Titmice bloomed for few days
 Chickadees Heidi caught ^{small} humming
 Robins 1st Rhododendron
 Redbellies bloom -
 48 sp last yr. Azaleas in
 ice garden

5-23-83 Monday
 early am rain. aqi 40
 68-83 Planted Impatiens
 4 Petunias

Redbelly 2 ♀
 1-2 Goldf -
 7 Chickadees
 Catbird
 Mockers
 Bluebird
 Chickadee
 Titmice
 2 Barn Sw ^{in att'd} garage

5-24-83 Tues
 5' cast aqi 45
 66-72°
 Downys
 2 Doves
 1 Goldf
 2 Grackles
 Titmice

phoebe A
 Catbird
 Wren
 Robin
 Thrasher
 etc
 Heidi caught
 young chipm.
 1st H. in

5-25-83 Wedn.
 Cool aqi 55
 75-58°
 Cardinal
 Goldfinch
 Dove
 Downy
 Chickadee
 Titmice
 2 Thrasher
 Oriole ^{or}
 House Finch

5-26-83 Thurs
 girls coming
 5' cast aqi 55
 74-59°
 Downys
 Redbellies
 Cardinals
 Titmice
 Dove
 Chickadee
 4 Goldfinches
 etc
 Slugs 3 prob. ate chrys
 in 2 pots
 No sparrows.
 For days
 5-27-83
 51-45° 59°-40°
 4 little ^{in nest} Bluebirds
 House Finch

5-28-83 Sat
27 fgs 8:30
AQ 140-
72-54°

5-29-83 Sun.
Rained all day
AQ 120
70-61°

Titmice
Thrasher
Chickadees
Bluebirds
Grackles
Crows
Cardinals
Song sp
Eng sp
Downys
Red belly
Thrasher
Phoebe
P. Martin

May 30 '83
Monday
dark Tam
AQ 115-100
76°-66°

Bluebird
Titmice
Downys 2 ♀
2 House finches
Redbellies
Robins
Cardinals
Doves
Chickadees
2 Song sp
Thrasher
Mockingb

No goldfinches
recently at
the feeder

May 31-1983
Tues.
AQ 144
75-64

all the reg. +
Thrasher
Mock bird
Robins
Starling

June 1-1983
Cloudy AM
AQ 140
72-59

Doves
Song sp
Cardinals
Chickadee
Nuthatch

Sat June 4 '83
see next bk
Bob white

June 2-1983
Sunny
AQ 150 74-55°

Goldfinch
Thrasher
Eng sp
Thrasher
Mocker
Cardinals

Dove
House Finch
Grackles
Titmice
Chickadee

Fri June 3 '83
AQ 155: 79-62

Chickadee
Cardinals
Titmice
Song sp
B-b White
House Finch

1-25-83 132/74 Pulse 80

1-31-83 130/68 Pulse 84

2-3-83 124/64

2-7-83 noon 90/46

2-8-83 8:25 AM To heaven

